



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TECH CENTER 1600 2900

In Re the Application of:

WEEKS et al.

Serial No.: 09/055,145

Filed: April 3, 1998

Atty. File No.: 3553-18

For: "METHODS AND MATERIALS FOR
MAKING AND USING
TRANSGENIC DICAMBA-
DEGRADING ORGANISMS"

) Group Art Unit: 1638

) Examiner: D. Kruse

) AMENDMENT AND RESPONSE

CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS
BEING DEPOSITED WITH THE UNITED STATES POSTAL
SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE
ADDRESSED TO THE ASSISTANT COMMISSIONER FOR
PATENTS WASHINGTON, DC 20231 ON 7/27/01
SHERIDAN ROSS P.C.

BY

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

IN THE CLAIMS:

Cancel Claims 8-20, 25-35, 40-43, 45-46 and 49.

Amend Claims 1-2, 4-5, 21-22, 36-37, 44 and 47-48 to read as follows:

1. (Amended Once) An isolated DNA molecule comprising a DNA sequence encoding a dicamba-degrading oxygenase.
2. (Amended Once) The DNA molecule of Claim 1 comprising a DNA sequence encoding a dicamba-degrading oxygenase having the amino acid sequence of SEQ ID NO:4.
4. (Amended Once) A DNA construct comprising a DNA sequence encoding a dicamba-degrading oxygenase operatively linked to expression control sequences.
5. (Amended Once) The DNA construct of Claim 4 comprising a DNA sequence encoding a dicamba-degrading oxygenase having the amino acid sequence of SEQ ID NO:4.
21. (Amended Once) A transgenic host cell comprising DNA encoding a dicamba-degrading oxygenase, said DNA being operatively linked to expression control sequences.